

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

Inventor: **I. Claude Denton et al.**

Case: **012.P53016**

Serial No.: **09/919,728**

Filed: **July 31, 2001**

Examiner: **Christine Ng**

Group Art Unit: **2616**

Confirmation No: **4316**

Title: **METHOD AND APPARATUS FOR PROGRAMMABLE GENERATION OF
TRAFFIC STREAMS**

MAIL STOP AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

RESPONSE UNDER 37 C.F.R. 1.116

In response to the Final Office Action mailed March 8, 2006 and the Advisory Action mailed June 1, 2006, please consider the above-identified application as follows:

Amendment to the Claims begins on page 2 of this paper; and

Remarks begin on page 4 of this paper.

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer, and Assignee reserves the right to claim this subject matter in a continuing application:

1. – 16. (Cancelled)

17. (Previously Presented) The method of Claim 21, wherein the first length and the second length are different.

18. (Original) The method of Claim 17, wherein the first payload and the second payload are different.

19. (Original) The method of Claim 18, further comprising counting the number of packets transmitted by the test packet generator.

20. (Previously Presented) The method of Claim 21, wherein transmitting from the test packet generator comprises communicating data onto a parallel bus.

21. (Previously Presented) A method for testing network communication equipment with a test packet generator, comprising:

- a) transmitting, from the test packet generator, a synchronization packet;
- b) generating a first data packet including a first header and a first payload;
- c) transmitting, from the test packet generator, the first data packet;
- d) providing a first inter-packet gap of a first length;
- e) generating a second data packet including a second header and a second payload;
- f) transmitting, from the test packet generator, the second data packet;
- g) providing a second inter-packet gap of a second length;
- h) repeating steps (b) through (g) at least once;

wherein the first header is different from the second header;

wherein the method further comprises counting a number of packets transmitted, receiving the packets, counting the received packets, and counting the received packets with errors;

wherein the first and second inter-packet gaps comprise integer multiples of 8 bytes, the first header and second header are each 20 bytes longs, and the first and second headers contain different data, and wherein the size of the first packet is representative of a control packet on an Internet backbone, and the size of the second packet is representative of a data packet on the Internet backbone.

22. (Previously Presented) The method of Claim 21, further comprising programming content of the first packet header and the second packet header by executing software to write to at least two sets of packet header registers.

23. (Previously Presented) The method of Claim 22, further comprising programming the content of the first payload and the second payload by executing software to set one or more bits in at least two payload pattern registers.

24. (Previously Presented) The method of Claim 23, further comprising determining the size of the first packet and the second packet by executing software to write packet size control information into at least two packet size control registers.

25. -51. (Cancelled)

REMARKS

This amendment is a complete response to the Final Office Action mailed on March 8, 2006 and the Advisory Action mailed June 1, 2006. In this Office Action, the Examiner has noted, in part, that claims 17-24 are allowed. In view of the amendments above, no other parts of the present Office Action need to be addressed for a complete response thereto.

By this response, all claims except the allowed claims have been cancelled without prejudice. No further amendments have been made in this application. In view of the amendments presented above, it is submitted that only allowed subject matter is pending in the present application.

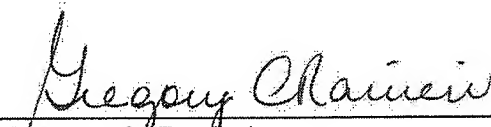
CONCLUSION

In view of the amendments and remarks above, Assignee submits that this application is in condition for allowance. Entry of this amendment, reconsideration and allowance are respectfully solicited.

If, however, the Examiner believes that there are any unresolved issues requiring adverse final action in any of the claims now pending in the application, it is requested that the Examiner telephone Gregory C. Ranieri, Esq. at (503) 439-6500 so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,

Dated: SEPT. 8, 2006



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